J.BRUSA

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RAW SEQUENCE LISTING

DATE: 11/28/2000

PATENT APPLICATION: US/09/202,838

TIME: 14:54:41

Input Set : A:\Myc00111.app

Output Set: N:\CRF3\11282000\1202838.raw

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3 <110> APPLICANT: Verdaguer, Bertrand
         de Kochko, Alexandre
 5
         Beachy, Roger N.
 6
         Fauquet, Claude
 8 <120> TIPLE OF INVENTION: CASSAVA VEIN MOSAIC VIRUS PROMOTERS AND USES THEREOF
10 <130> FILE REFERENCE: MYC0011S
12 <140> CURRENT APPLICATION NUMBER: 09/202,838
13 <141> CURRENT FILING DATE: 2000-01-21
15 <150> PRIOR APPLICATION NUMBER: PCT/US97/10376
16 <151> PRIOR FILING DATE: 1997-06-20
18 <150> PRIOR APPLICATION NUMBER: 60/020,129
19 <151> PRIOR FILING DATE: 1996-06-20
21 <160> NUMBER OF SEQ ID NOS: 36
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28 <213> ORGANISM: Cassava vein mosaic virus
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33 aagaagaacc aggcgaagaa aagaatettg aagacgtaag cactgacgac aacaatgaaa 180
34 agaagaagat aaggteggtg attgtgaaag agacatagag gacacatgta aggtggaaaa 240
35 tytaagggcg gaaagtaacc ttatcacaaa ggaatcttat cocccactac ttatcctttt 300
36 atatttttcc gtgtcatttt tgcccttgag ttttcctata taaggaacca agttcggcat 360
37 ttgtgaaaac aagaaaaaat ttggtgtaag ct
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40 <210> SEQ ID NO: 2
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43 <213> ORGANISM: Cassava vein mosaic virus
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47 tatggaagta ttatgtgage teageaagaa geagateaat atgeggeaca tatgeaaeet 120
48 atgttcaaaa atgaagaatg tacagataca agatcctata ctgccagaat acgaagaaga 180
49 atacgtugaa attgaaaaag aagaaccagg cgaagaaaag aatcttgaag acgtaagcac 240
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51 acatytaagg tyqaaaatyt aaggycygaa aytaacetta teacaaagga atettateec 360
52 coactactta teettttata tittiteegig teattitige eeilgagitti teetatataa 420
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59 <212> TYPE: DNA
60 <213> ORGANISM: Cassava vein mosaic virus
62 <400> SEQUENCE: 3
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64 tatggaagta ttatgtgage teageaagaa geagateaat atgeggeaea tatgeaacet 120
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65 atgttcaaaa atgaagaatg tacagataca agatcctata etgccagaat acgaagaaga 180 66 atacgtagaa attgaaaaag aagaaccagg cgaagaaaag aatcttgaag acgtaagcac 240 67 tgacqacaac aatgaaaaga aqaaqataag gtcggtgatt gtgaaagaga catagaggac 300 68 acatgtaagg tggaaaatgt aagggcggaa agtaacetta tcacaaagga atcttateec 360 69 ccactactta teettetata teetteegtg teattettge cettgagttt teetatataa 420 70 ggaaccaagt toggoatttg tgaaaacaag aaaaaatttg gtgtaagcta ttttotttga 480 71 agtactgagg atacaagttc agagaaattt gtaagtttga attc 74 <21.0> SEQ ID NO: 4 75 <211> LENGTH: 411 76 <212> TYPE: DNA 77 <213> ORGANISM: Cassava vein mosaic virus 79 <400> SEQUENCE: 4 80 ggatcctatg ttcaaaaatg aagaatgtac agatacaaga tcctatactg ccagaatacg 60 81 aagaagaata ogtagaaatt gaaaaagaag aaccaggoga agaaaagaat ottgaagaog 120 82 taagcactga cgacaacaat gaaaagaaga agataaggtc ggtgattgtg aaagagacat 180 83 agaggacaca tgtaaggtgg aaaatgtaag ggcggaaagt aaccttatca caaaggaatc 240 84 ttatececca etactiatee tittatatit ticegigtea tittitgeect igagittice 300 85 tatataagga accaagtteg geatttgtga aaacaagaaa aaatttggtg taagetattt 360 86 totttgaagt actgaggata caagttcaga gaaatttgta agtttgaatt c 89 <210> SEQ ID NO: 5 90 <211> LENGTH: 305 91 <212> TYPE: DNA 92 <213> ORGANISM: Cassava vein mosaic virus 94 <400> SEQUENCE: 5 95 ggatootgaa gacgtaagca otgacgacaa caatgaaaag aagaagataa ggtoggtgat 60 96 tgtgaaagag acatagagga cacatgtaag gtggaaaatg taagggcgga aagtaacctt 120 97 atcacaaagg aatcttatce eccactactt atcettttat attt.ttccgt gtcatttttg 180 98 coottgagtt ttootatata aggaaccaag ttoggoattt gtgaaaacaa gaaaaaattt 240 99 ggtgtaaget attttetttg aagtaetgag gatacaagtt eagagaaatt tgtaagtttg 300 100 aatte 103 <210> SEQ ID NO: 6 104 <211> LENGTH: 261 105 <212> TYPE: DNA 106 <213> ORGANISM: Cassava vein mosaic virus 108 <400> SEQUENCE: 6 109 ggatccggtc ggtgattgtg aaagagacat agaggacaca tgtaaggtgg aaaatgtaag 60 110 ggcggaaagt aacettatea caaaggaate ttateeecea etaettatee ttttatattt 120 111 ttccgtgtca tttttgccct tgagttttcc tatataagga accaagttcg gcatttgtga 180 112 aaacaagaaa aaatttggtg taagetattt tetttgaagt aetgaggata caagtteaga 240 113 gaaatttgta agtttgaatt c 261 116 <210> SEQ ID NO: 7 117 <211> LENGTH: 193 118 <212> TYPE: DNA 119 <213> ORGANISM: Cassava vein mosaic virus 121 <400> SEQUENCE: 7 122 ggateettat cacaaaggaa tettateeee cactacttat eettttatat titteegigt 60 123 catttttgcc cttgagtttt cctatataag gaaccaagtt cggcatttgt gaaaacaaga 120 124 aaaaatttgg tgtaaqctat tttctttgaa gtactgagga tacaagttca gagaaatttg 180 125 taagtttgaa ttc

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Input Set : A:\Myc00111.app

Output Set: N:\CRF3\11282000\1202838.raw

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Input Set : A:\Myc00111.app

Output Set: N:\CRF3\11282000\1202838.raw

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194 actatggaag tattatgtga getcagcaag aagcagatea atatgeggea catatgeaac 120
195 ctatgttcaa aaatgaagaa tgtacagata caagateeta taetgecaga atacgaagaa 180
196 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
197 actgacgaca acaatgaaaa gaagaagata aggtoggato ottatoacaa aggaatotta 300
198 teccecacta ettateettt tatattttte egtgteattt ttgecettga gtttteetat 360
199 ataaggaacc aagtteggea tttgtgaaaa caagaaaaaa tttggtgtaa getattttet 420
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208 <400> SEQUENCE: 13
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210 actatggaag tattatgtga geteageaag aageagatea atatgeggea catatgeaac 120
211 ctatgttcaa aaatgaagaa tgtacagata caagateeta taetgeeaga atacgaagaa 180
212 yaatacgtag aaattgaaaa agaagaacca qgcgaaqaaa agaatcttga agacgtaagc 240
213 actgacgaca acaatgaaaa gaagaagata aggtcggtga ttgtgaaaga gacatagagg 300
214 atcottatea caaaggaate ttateeecca etaettatee ttttatattt tteegtgtea 360
215 tttttgccct tgagttttcc tatataagga accaagttcg gcatttgtga aaacaagaaa 420
216 aaatttygtg taagctattt tetttgaagt actgaggata caagtteaga gaaatttgta 480
217 agtttgaatt c
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227 actatggaag tattatgtga geteageaag aageagatea atatgeggea catatgeaae 120
228 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
229 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
230 actgacgaca acaatgaaaa gaagaggate cgtgtcattt Ltgcccttga gttttcctat 300
231 ataaggaacc aagtteggea titgtyaaaa caagaaaaaa titggtgtaa getattiict 360
232 ttgaagtact gaggatacaa gttcagagaa atttgtaagt ttgaattc
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236 <211> LENGTH: 418
237 <212> TYPE: DNA
238 <213> ORGANTSM: Cassava vein mosaic virus
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242 actatggaag tattatgtga geteageaag aageagatea atatgeggea catatgeaae 120
243 ctatgttcaa aaatgaagaa tgtacagata caagatccta tactgccaga atacgaagaa 180
244 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
245 actgacgaca acaatgaaaa gaagaagata aggtcggatc cgtgtcattt htgcccttga 300
246 qttttcctat ataaggaacc aagttcggca tttgtgaaaa caagaaaaaa tttggtgtaa 360
247 gctalttlct ttgaagtact gaggatacaa gttcagagaa atitgtaagt ttgaattc 418
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Input Set : A:\Myc00111.app

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257 actatgyaag tattatgtga geteageaag aageagatea atatgeggea eatatgeaae 120
258 ctatgttcaa aaatgaagaa tgtacagata caagateeta taetgecaga ataegaagaa 180
259 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
260 actgacgaca acaatgaaaa gaagaagata aggtcggtga ttgtgaaaga gacatagagg 300
261 alcogtytea tittigeeet tyayttitee talataagga accaagitey gealityiga 360
262 aaacaagaaa aaatttggtg taagctattt totttgaagt actgaggata caagttcaga 420
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269 <213> ORGANISM: Cassava vein mosaic virus
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274 etatgtteaa aaatgaagaa tgtacagata caagateeta tactgecaga atacqaagaa 180
275 gaatacgtag aaattgaaaa agaagaacca ggcgaagaaa agaatcttga agacgtaagc 240
276 actgacgaca acaatgaaaa gaagaagata aggtcggtga ttgtgaaaga gacatagagg 300
277 acacatgtaa ggtggaaaat gtaagggcgg aaaggatccg tgtcattttt gcccttgagt 360
278 titteetatat aaggaaccaa giiteggeatt tgitgaaaaea agaaaaaatt iggigiaage 420
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284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
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300 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/202,838 TIME: 14:54:42

DATE: 11/28/2000

Input Set : A:\Myc00111.app
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